US Army Corps
of Engineers

..OUSING MISSION HAUL & INSTALL QA DUTIES

Objectives/Goals

- Objective: To facilitate a quality learning environment, yielding a basic knowledge of Temporary Housing Unit Installation.

- Goal: Each attendee should walk away with a working knowledge of QA responsibilities and roles.

Haul & Install Team Leader distributes packages to QA's.

- Packages contain Lessee information (Right of Entry, Lease, Site Inspection, Ready For Occupancy, Ingress & Egress, Trailer Inspection)

QA's go to site to observe safety issues and trailer installation.

- Safety includes personal protection equipment and other applicable concerns, including contractor's work practices.

- Installation includes:

  - Proper trailer placement based on site assessment & utility locations.

    NOTE: Unit location may need to be adjusted from original site assessment for utility taps.

  - Leveling and Blocking; pier placement and construction.
  - Anchoring and Strapping.
  - Water, Sewer, & Electric connections.

Installation includes (Cont'd)

- Trailer Appliances, Furnishings, Air Conditioning, Skirting setup and cleanup. Steps or ADA Accessible Ramp installation.
    - MH/PM can be RFO'd with water, sewer, & electric.
    - TT can be RFO'd with water, sewer, & a battery.
- Compilation of Setup Quantities on Bid Schedule Checklist.
- Submit completed Bid Schedule Checklist for contractor payment

- QA may be present during lease-in to note potential punch list items for the contractor and for FEMA

U.S. Army Corps of Engineers
Missouri Tornado - Temporary Housing Mission
Haul and Install Mission

Bid Schedule Checklist

Trailer # _____ **App. Name:** _____

VIN: _____

TASK	ITEM NO.	ITEM	UOM	COMPLETED
Basic Setup				
	001	Travel Trailer Basic Setup	EA	
	002	Mobile Home Basic Setup	EA	
	003	ADA Travel Trailer Basic Setup	EA	
	004	Park Model Basic Setup	EA	
Additions Beyond Basic Setup, Travel Trailer Units				
	005	Water Hose (Additional Length Over 50 LF) w/Winterization	LF	
	006	Water Line 3/4" PVC, Buried	LF	
	007	Trenching for Water Line (As Needed)	LF	
	009	Sewer Line, 4" PVC (Additional Length Over 50 LF) w/Winterization	LF	
	010	Trenching for Sewer Line (As Needed)	LF	
	012	Electric Service Line (Additional Length Over 50 LF)	LF	
	013	Trenching for Electric Service (As Needed)	LF	
	014	Power Pole Meter Loop & Breaker, 100 AMP Service	EA	
	015	Wood Steps w/Handrail, Sized For Travel Trailers	EA	
	016	ADA Ramp/Platform Steps, Sized for Travel Trailers	EA	
	017	Vinyl Skirting, Furnish and Install (As Needed)	LF	
	018	Additional Tow by Pickup, (Additional Mileage Over 50 Mile)	Mile	
Added Mod 1	034	Water Tie-In Underground (Travel Trailers)	EA	
Added Mod 1	035	Sewer Tie-In Underground (Travel Trailers)	EA	

Additions Beyond Basic Setup, Mobile Homes				
	019	Water Line 2" PVC, Trenched (Additional Length Over 50 LF)	LF	
	021	Sewer line, 4" PVC, Trenched (Additional Length Over 50 LF)	LF	
	023	Electric Service Line, Trenched (Additional Length Over 50 LF)	LF	
	024	Power Pole Meter Loop & Breaker, 200 AMP Service	EA	
	025	Wood Steps w/Handrail, Sized For Mobile Homes	EA	
	026	ADA Ramp/Platform Steps, Sized for Mobile Homes	EA	
	027	Additional Tow by Semi, (Additional Mileage Over 50 Mile)	Mile	
Added Mod 1	036	Water Tie-In Underground (Over 1 hour)	EA	
Added Mod 1	037	Sewer Tie-In Underground (Over 1 hour)	EA	
Added Mod 1	038	"OLIVER" System Tie-Downs (Includes Sub)	EA	
Added Mod 1	039	Shear Wall Tie Downs	EA	
Added Mod 1	040	Single Blocking at BOTH Doors (per trailer)	EA	
Added Mod 1	041	Over Excavation at all support piers (per pier)	EA	
Added Mod 2	042	Mobile Home Tie-Down Anchors (per anchor)	EA	
Special Items				
	028	Direct Wiring For Well Pump	LF	
	029	Breaker and Box, 30A (For Well Pump)	EA	
	030	Install LP System, w/100 Gallon LP Tank	EA	
	031	Natural Gas Connection	EA	
	032	Natural Gas Service Line, Buried	LF	
	033	Miscellaneous Items as Requested	LS	
Added Mod 3	043	Vinyl Skirting for Park Model, Furnish and Install (As Needed)	LF	

QA Representative

Contractor Representative

Date

Notes:

Travel Trailer Installation Specifics

- 6 Piers
- 4 Anchors (2 on tongue, 2 on rear bumper)
- 8.5’ X 32’ Footprint (Generally)
- Above Ground Sewer and Water
- Steps or Accessible Ramp
- ABS Pads Under Piers
- Propane Tanks
- Most Electronics are 12 Volt DC, AC unit and Microwave are 120 Volt AC
- Power Acquired by above Ground Plug In Cord
- 30 Amp Service

Travel Trailer – Six Piers, Four Anchors

Travel Trailer – Rear Anchors

Travel Trailer – Front Anchors

Travel Trailer – Utility Connections

Travel Trailer – Utilities Above Ground

Travel Trailer/Park Model – Pier

Park Model Trailer Installation Specifics

- 8 Piers
- 6 Anchors (3 straps on each side at shear wall locations)
- Units must be installed with Mobile Home Skirting
- 14’ X 40’ Footprint (Generally)
- Above Ground Sewer and Water
- Steps or Accessible Ramp
- ABS Pads Under Piers
- All Electric with NO Propane Required
- All Electronics are 120 Volt AC.
- Power Acquired by Trenched Electric Line from Source
- 100 or 125 Amp Service

Park Model – Eight Piers, Six Anchors

Park Model – Rear View

Park Model – Water & Sewer Above Ground, Electric Underground

Mobile Home Installation Specifics

- 16 Piers (2 additional single block piers under each door, total of 4)
- 34 Anchors and Straps (to frame, as per Missouri Public Service Commission Requirements)
- Units must be installed with Mobile Home Skirting
- 14’ X 60’ Footprint (Generally)
- Trenched Sewer and Water (may vary due to extenuating circumstances)
- Steps or Accessible Ramp (units have a door in front and back)
- ABS Pads Under Piers
- All Electric with NO Propane Required
- All Electronics are 120 Volt AC.
- Power Acquired by Trenched Electric Line from Source
- 200 Amp Service

Mobile Home – Accessible Ramp

Mobile Home –Rear Steps

Mobile Home – 34 Anchors & Straps, Sixteen Piers

Mobile Home – Door Support

Mobile Home – Utilities Underground

Questions

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